

## TECO-U-GRIP JOIST AND BEAM HANGERS

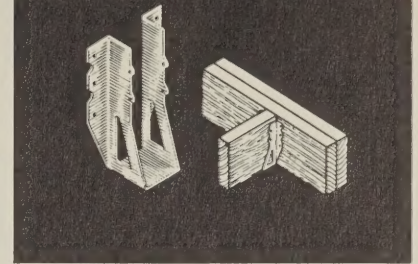
### WHERE USED:

Available for 2x4 to 4x14 wood joists and beams including double 2x6's to double 2x14's at one-half the cost of old style joists and strap hangers, Teco-U-Grips are engineered to provide a proper balance between the load carrying capacity of the hanger and the joist or beam it supports. So designed as to eliminate all unnecessary or "non-working" metal, the device makes use of special nails in transferring loads from the joist to the header.

### SPECIFICATIONS:

Teco-U-Grips are precision manufactured from zinc coated sheet steel in gauges as indicated in the table below. Special nails are furnished with each carton of hangers in the sizes shown so that there is no chance of the carpenter using the wrong size of nail. Only one size nail is used with each hanger to avoid confusion or error as to "what size nail goes where."

Laboratory tested, Teco-U-Grips meet FHA Minimum Property Standards and are approved under the Uniform Building Code.



TYPE	RECOMMENDED JOIST OR BEAM SIZE	STEEL GAUGE	HEIGHT	SEAT WIDTH	SEAT DEPTH	RECOMMENDED SAFE WORKING VALUES ( $\frac{1}{4}$ ultimate)	NAILS PACKED IN EACH CARTON	
							WIRE GAUGE	LENGTH
24	2x4	18	3 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	400 lbs.	11	1 $\frac{1}{4}$ "
A-28	2x6 to 2x10	18	5"	1 $\frac{1}{2}$ "	2"	900 lbs.	9	1 $\frac{1}{2}$ "
B-28	2x10 to 2x14	18	8 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	2"	1200 lbs.	9	1 $\frac{1}{2}$ "
A-36	3x6 to 3x10	16	5 $\frac{1}{4}$ "	2 $\frac{5}{8}$ "	2 $\frac{3}{4}$ "	1700 lbs.	6	2 $\frac{1}{8}$ "
B-36	3x10 to 3x14	16	8 $\frac{1}{2}$ "	2 $\frac{5}{8}$ "	2 $\frac{3}{4}$ "	2800 lbs.	6	2 $\frac{1}{8}$ "
A-46	4x6 to 4x10	16	5 $\frac{1}{4}$ "	3 $\frac{5}{8}$ "	2 $\frac{3}{4}$ "	1700 lbs.	6	2 $\frac{1}{8}$ "
B-46	4x10 to 4x14	16	8 $\frac{1}{2}$ "	3 $\frac{5}{8}$ "	2 $\frac{3}{4}$ "	2800 lbs.	6	2 $\frac{1}{8}$ "
AD-6	2-2x6 to 2-2x10	16	5 $\frac{1}{4}$ "	3 $\frac{1}{4}$ "	2 $\frac{3}{4}$ "	1700 lbs.	6	2 $\frac{1}{8}$ "
BD-6	2-2x10 to 2-2x14	16	8 $\frac{1}{2}$ "	3 $\frac{1}{4}$ "	2 $\frac{3}{4}$ "	2800 lbs.	6	2 $\frac{1}{8}$ "

NOTES: 1. Recommended safe working values may be increased  $\frac{1}{3}$  (or as provided by local practice) for wind or earthquake loading.

2. With the exception of Type 24, Teco-U-Grips are available in heavier gauge steel although no increase in recommended safe working values will result. Types A-28 and B-28 are available in 16 gauge steel. All other types (except type 24) are available in 14 gauge steel.

3. Values for all types except Type 24, A-28 and B-28 can be increased 350# if two  $\frac{3}{8}$ "x2 $\frac{1}{2}$ " lag bolts are used (one each per header flange).

## TECO LINE-A-JOIST CONNECTORS

### WHERE USED:

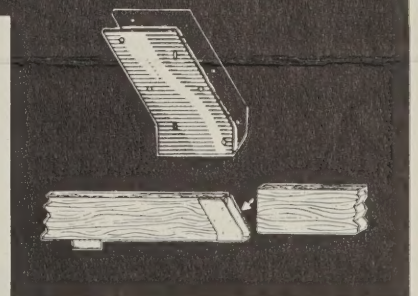
Through utilization of cantilevered design principles TECO Line-A-Joist connectors make it possible to get more mileage out of wood floor joists in residential and garden apartment construction. Example: Normally a 28' span house requires floor joists made of 2 x 10 members. With the Line-A-Joist system, the same span might be framed with 2 x 8 members with equal if not improved performance, provided that TECO design tables and working dimensions are observed.

The Line-A-Joist system is designed for use only where there are non-load bearing partitions resting on the floor joists. However, a load-bearing partition is permitted directly over the central or off-set support. Location of supports, amount of cantilever and joist member sizes are specified in TECO design tables which are available on request.

A further direct saving of the Line-A-Joist system results from the use of "in-line" joists. This type of assembly permits economical application of sub-flooring by minimizing cutting required and therefore saves both material and labor.

### SPECIFICATIONS:

TECO Line-A-Joist connectors are precision manufactured from 16 gauge, zinc coated sheet steel and are available in three sizes as follows: Type H-6 for 2 x 6's, Type H-8 for 2 x 8's, and Type H-10 for 2 x 10's (and 2 x 12's where design tables permit). Supplied with each carton of connectors are special hardened steel nails, 1 $\frac{1}{2}$ " long x 0.135" diameter.





## TRIP-L-GRIP FRAMING ANCHORS

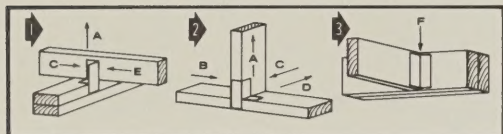


### WHERE USED:

Although primarily designed for use in roof (tying rafters and trusses to plates), wall, floor and ceiling framing, Trip-L-Grips are so adaptable they can be used in practically any connection in wood construction.

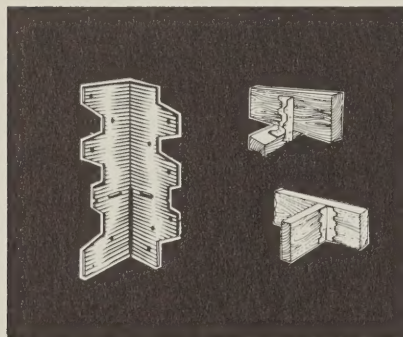
### SPECIFICATIONS:

Manufactured from 18 gauge, zinc coated sheet steel, Trip-L-Grips are available in three basic styles with a left and right of each style. Each anchor is  $4\frac{7}{8}$ " high. The rectangular flange is  $1\frac{5}{8}$ " wide, the triangular flange is  $2\frac{3}{8}$ " wide, and the bent portion of the A and B types is  $1\frac{5}{8}$ " long. Special 11 gauge x  $1\frac{1}{4}$ " long nails are furnished with each carton. These nails develop maximum shear without splitting lumber.



RECOMMENDED SAFE WORKING VALUES												
	TRIP-L-GRIP						ALL PURPOSE ANCHOR					
Direction of Load (Figs. 1-2-3)	A	B	C	D	E	F	A	B	C	D	E	F
Short Term Loading (Wind or Earthquake)	450	825	420	300	450	675	280	180	280	245	155	665
Long Term Loading (Live and Dead Loads)	300	530	290	200	300	450	240	155	240	210	130	570

## TECO ALL PURPOSE FRAMING ANCHORS



### WHERE USED:

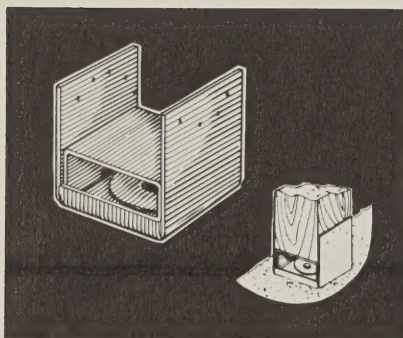
TECO All Purpose framing anchors can be used in anchoring rafters and roof trusses to plates, floor and ceiling joists to headers and solid blocking to plates.

### SPECIFICATIONS:

Available in single style with special "slots" to permit accurate bending on the job site. Can be formed into any one of six different configurations.

Precision manufactured from 18 gauge, zinc coated sheet steel, TECO All Purpose framing anchors are formed in right angle sections  $1\frac{1}{2}$ " wide by  $4\frac{5}{8}$ " long. A slot is provided  $1\frac{5}{8}$ " up from bottom of anchor to facilitate bending on job. Six nail holes are provided in each leg of the anchor to receive special 11 gauge  $1\frac{1}{4}$ " long nails. Nails packed with each carton of anchors.

## TECO POST ANCHORS (Bases)



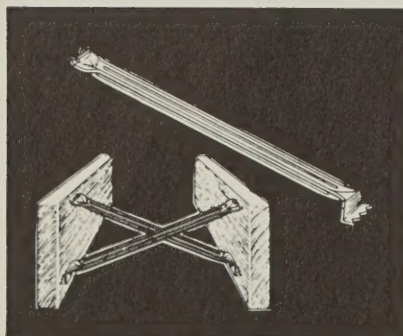
### WHERE USED:

TECO Post Anchors are designed to provide efficient and economical anchorage of 4x4 wood posts to concrete slabs. Engineered to resist uplift resulting from high velocity winds. Bottom of post is kept above ground level so that there is no contact with dampness. Can be adjusted for correct positioning in the event anchor bolt has been placed in concrete "out of line."

### SPECIFICATIONS:

The TECO Post Anchor is made of galvanized sheet steel and consists of three parts: 1. Base — 16 gauge, measuring  $3\frac{5}{8}$ " x  $3\frac{5}{8}$ " with two flanges on opposing sides measuring  $3\frac{1}{2}$ ". Flanges are nailed to post. 2. Washer Plate — 11 gauge,  $2\frac{7}{8}$ " in diameter with  $\frac{9}{16}$ " off-center hole for  $\frac{1}{2}$ " anchor bolt. 3. Support — 11 gauge, formed in shape of inverted "U". Special 9 gauge wire, galvanized nails supplied with each carton.

## TECO FAS-LOK METAL BRIDGING



### WHERE USED:

TECO Fas-Lok metal bridging is the fastest bridging available. Installs in seconds, in one operation. No nails required; specially designed projections grip wood fibres. Compression type bridging, it actually gets tighter as the building ages. Saves up to 80% labor cost; no costly cutting, mitering, nailing.

### SPECIFICATIONS:

Manufactured from 18 gauge, zinc coated steel. Available for 2x8, 2x10, 2x12 joists spaced 16", 12", or 24" o.c. "V" section provides extra strength. Specially engineered features make this the fastest and strongest bridging available. Meets FHA Minimum Property Standards and approved under Uniform Building Code.





# THE FINEST IN WOOD FASTENERS AND BUILDING SYSTEMS

## — TECO -U-GRIP JOIST AND BEAM HANGERS —

**WHERE USED:** Available for 2x4 to 4x14 wood joists and beams including double 2x6's to double 2x14's at one-half the cost of old style joist and strap hangers, TECO-U-Grips are engineered to provide a proper balance between the load carrying capacity of the hanger and the joist or beam it supports. So designed as to eliminate all unnecessary or "non-working" metal, the device makes use of special nails in transferring loads from the joist to the header.

**DESCRIPTION:** TECO-U-Grips are precision manufactured from zinc coated sheet steel in gauges as indicated in the table below. Special nails are furnished with each carton of hangers in the sizes shown so that there is no chance of the carpenter using the wrong size of nail. Only one size nail is used with each hanger to avoid confusion or error as to "what size nail goes where."

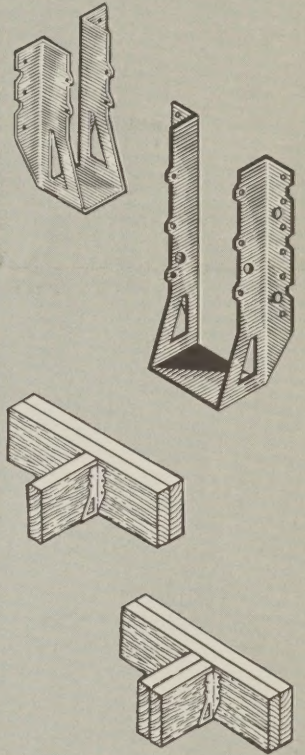
Laboratory tested, TECO-U-Grips meet FHA Minimum Property Standards and are approved under the Uniform Building Code.

TYPE	RECOMMENDED JOIST OR BEAM SIZE	STEEL GAUGE	HEIGHT	SEAT WIDTH	SEAT DEPTH	RECOMMENDED SAFE WORKING VALUES ( $\frac{1}{4}$ ultimate)	NAILS PACKED IN EACH CARTON	
							WIRE GAUGE	LENGTH
24	2x4	18	3 $\frac{1}{4}$ "	1 $\frac{5}{8}$ "	1 $\frac{1}{2}$ "	400 lbs.	11	1 $\frac{1}{4}$ "
A-28	2x6 to 2x10	18	5"	1 $\frac{5}{8}$ "	2"	900 lbs.	9	1 $\frac{1}{2}$ "
B-28	2x10 to 2x14	18	8 $\frac{1}{2}$ "	1 $\frac{5}{8}$ "	2"	1200 lbs.	9	1 $\frac{1}{2}$ "
A-36	3x6 to 3x10	16	5 $\frac{1}{4}$ "	2 $\frac{5}{8}$ "	2 $\frac{3}{4}$ "	1700 lbs.	6	2 $\frac{1}{8}$ "
B-36	3x10 to 3x14	16	8 $\frac{1}{2}$ "	2 $\frac{5}{8}$ "	2 $\frac{3}{4}$ "	2800 lbs.	6	2 $\frac{1}{8}$ "
A-46	4x6 to 4x10	16	5 $\frac{1}{4}$ "	3 $\frac{5}{8}$ "	2 $\frac{3}{4}$ "	1700 lbs.	6	2 $\frac{1}{8}$ "
B-46	4x10 to 4x14	16	8 $\frac{1}{2}$ "	3 $\frac{5}{8}$ "	2 $\frac{3}{4}$ "	2800 lbs.	6	2 $\frac{1}{8}$ "
AD-6	2-2x6 to 2-2x10	16	5 $\frac{1}{4}$ "	3 $\frac{1}{4}$ "	2 $\frac{3}{4}$ "	1700 lbs.	6	2 $\frac{1}{8}$ "
BD-6	2-2x10 to 2-2x14	16	8 $\frac{1}{2}$ "	3 $\frac{1}{4}$ "	2 $\frac{3}{4}$ "	2800 lbs.	6	2 $\frac{1}{8}$ "

**NOTES:** 1. Recommended safe working values may be increased  $\frac{1}{3}$  (or as provided by local practice) for wind or earthquake loading.

2. With the exception of Type 24, TECO-U-Grips are available in heavier gauge steel although no increase in recommended safe working values will result. Types A-28 and B-28 are available in 16 gauge steel. All other types (except type 24) are available in 14 gauge steel.

3. Values for all types except Type 24, A-28 and B-28 can be increased 350# if two  $\frac{3}{8}$ "x2 $\frac{1}{2}$ " lag bolts are used (one each per header flange).



## — TECO TRUSS PLATES (two types) —

**WHERE USED:** For single plane assembly of light roof trusses, TECO offers two outstanding systems:

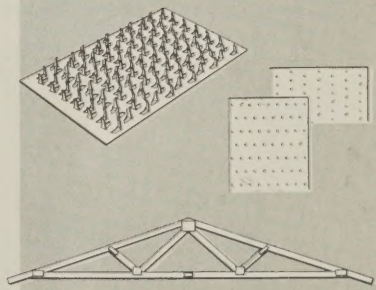
**TECO Fibre Grip Trusses:** Using a new plate with teeth which effectively grip wood fibres, installation is accomplished by use of hydraulic pressing equipment with horizontal platens. Designs based on realistic values and a technically realistic approach to truss design and performance. Complete hydraulic assembly system with 60-80 truss per day production capability is available at low cost.

**TECO Nailed Plate Trusses:** No special fabricating equipment needed; an efficient fabricating line can be set up for less than \$300.00. Excellent for both small and medium volume production.

**DESCRIPTION:** Manufactured from zinc coated sheet steel in gauges as noted below.

**TECO Fibre Grip Plates:** 19 gauge plates. System accommodates full range of slopes and spans. Covered by FHA Bulletin SE 405.

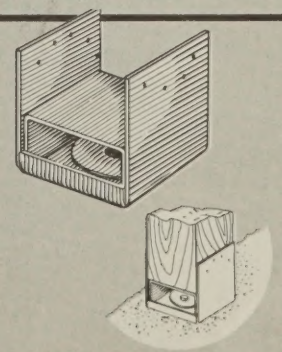
**TECO Nailed Type Plates:** 20 gauge plates. System accommodates full range of slopes and spans. Designed in accordance with FHA Minimum Property Standards and covered by FHA Bulletin SE 297. Plates are pre-punched to receive 8d 1 $\frac{1}{2}$ " length nails.



## — TECO POST ANCHORS (Bases) —

**WHERE USED:** TECO Post Anchors are designed to provide efficient and economical anchorage of 4x4 wood posts to concrete slabs. Engineered to resist uplift resulting from high velocity winds. Bottom of post is kept above ground level so that there is no contact with dampness. Can be adjusted for correct positioning in the event anchor bolt has been placed in concrete "out of line."

**DESCRIPTION:** The TECO Post Anchor is made of zinc coated sheet steel and consists of three parts: 1. Base—16 gauge, measuring 3 $\frac{5}{8}$ " x 3 $\frac{5}{8}$ " with two flanges on opposing sides measuring 3 $\frac{1}{2}$ ". Flanges are nailed to post. 2. Washer Plate—11 gauge, 2 $\frac{7}{8}$ " in diameter with 9/16" off-center hole for  $\frac{1}{2}$ " anchor bolt. 3. Support—11 gauge, formed in shape of inverted "U". Special 9 gauge wire, galvanized nails supplied with each carton.

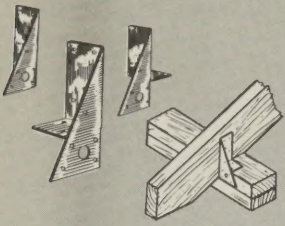




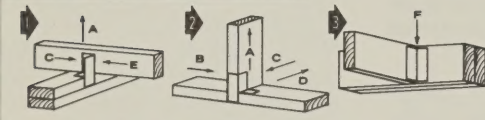
## TECO TRIP-L-GRIP FRAMING ANCHORS

**WHERE USED:** Although primarily designed for use in roof (tying rafters and trusses to plates), wall, floor and ceiling framing, Trip-L-Grips are so adaptable they can be used in practically any connection in wood construction.

**DESCRIPTION:** Manufactured from 18 gauge, zinc coated sheet steel, Trip-L-Grips are available in three basic styles with a left and right of each style. Each anchor is  $4\frac{7}{8}$ " high. The rectangular flange is  $1\frac{5}{8}$ " wide, the triangular flange is  $2\frac{3}{8}$ " wide, and the bent portion of the A and B types is  $1\frac{5}{8}$ " long. Special 11 gauge x  $1\frac{1}{4}$ " long nails are furnished with each carton. These nails develop maximum shear without splitting lumber.



RECOMMENDED SAFE WORKING VALUES												
	TRIP-L-GRIP						ALL PURPOSE ANCHOR					
Direction of Load (Figs. 1-2-3)	A	B	C	D	E	F	A	B	C	D	E	F
Short Term Loading (Wind or Earthquake)	450	825	420	300	450	675	280	180	280	245	155	665
Long Term Loading (Live and Dead Loads)	300	530	290	200	300	450	240	155	240	210	130	570

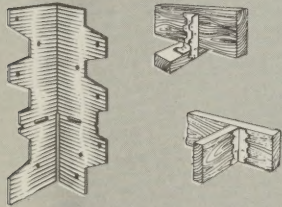


## TECO ALL PURPOSE FRAMING ANCHORS

**WHERE USED:** TECO All Purpose framing anchors can be used in anchoring rafters and roof trusses to plates, floor and ceiling joists to headers and solid blocking to plates.

**DESCRIPTION:** Available in single style with special "slots" to permit accurate bending on the job site. Can be formed into any one of six different configurations.

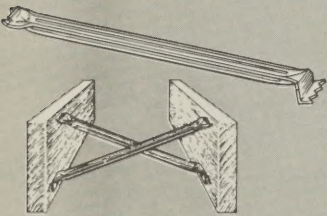
Precision manufactured from 18 gauge, zinc coated sheet steel, TECO All Purpose framing anchors are formed in right angle sections  $1\frac{1}{2}$ " wide by  $4\frac{5}{8}$ " long. A slot is provided  $1\frac{5}{8}$ " up from bottom of anchor to facilitate bending on job. Six nail holes are provided in each leg of the anchor to receive special 11 gauge  $1\frac{1}{4}$ " long nails. Nails packed with each carton of anchors.



## TECO FAS-LOK METAL BRIDGING

**WHERE USED:** TECO Fas-Lok metal bridging is the fastest bridging available. Installs in seconds, in one operation. No nails required; specially designed projections grip wood fibres. Compression type bridging, it actually gets tighter as the building ages. Saves up to 80% labor cost; no costly cutting, mitering, nailing.

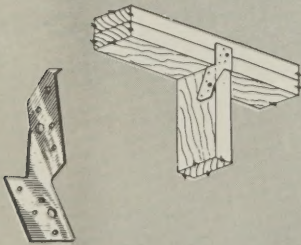
**DESCRIPTION:** Manufactured from zinc coated steel. Available for 2x8, 2x10, 2x12 joists spaced 16", 12", or 24" o.c. "V" section provides extra strength. Specially engineered features make this the fastest and strongest bridging available. Meets FHA Minimum Property Standards and approved under Uniform Building Code.



## TECO DU-AL-CLIP FRAMING ANCHORS

**WHERE USED:** Designed as an economy framing device, Du-Al-Clip framing anchors are used in roof, wall, ceiling, and floor framing applications where lighter loads and shorter spans are involved. A special feature is a long flange which permits the anchor to grip the second plate in rafter to plate applications.

**DESCRIPTION:** Du-Al-Clip framing anchors are manufactured of 18 gauge, zinc coated, sheet steel in a single style with both right and left hand types. Nailing is provided on two surfaces. Each Du-Al-Clip is  $5\frac{1}{2}$ " long. The rectangular flange and the wing shaped flange are  $1\frac{5}{8}$ " wide. Special Du-Al-Clip nails of 11 gauge wire and  $1\frac{1}{4}$ " long are packed in each carton of anchors.



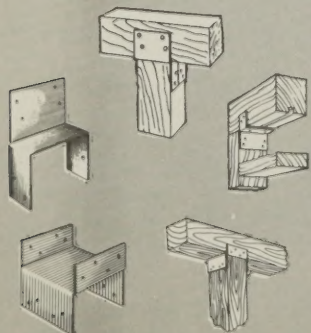
## TECO POST CAPS

**WHERE USED:** TECO Post Caps are used in tying post and beam connections together. Made in two different types, PC-1 and PC-2. Type PC-1 is also used as jamb fastener. The load or nature of connection determines which to use and how many of PC-1.

**DESCRIPTION:** Manufactured from 16 gauge, zinc coated sheet steel. Nails packed in carton.

Type PC-1: Formed with two rectangular flanges  $1\frac{11}{16}$ " x  $2\frac{5}{8}$ " and a single flange  $3\frac{5}{8}$ " x  $2\frac{3}{4}$ ". Nails are 9 gauge x  $1\frac{1}{2}$ ". Resistance to uplift is 580# for one and 1160# for two caps (Group II seasoned lumber).

Type PC-2: Formed with two rectangular flanges  $3\frac{1}{2}$ " x  $2\frac{1}{8}$ " (nail to post) and two rectangular flanges  $3\frac{1}{2}$ " x  $1\frac{1}{2}$ " (nail to beam). Nails are 10d galvanized. Resistance to uplift is 1250# (Group II seasoned lumber).





## TECO WEDGE-FIT SPLIT RINGS

**WHERE USED:** Available in 2½" and 4" diameters, TECO split rings are used primarily in the assembly of clear span wood roof trusses for spans ranging from 20' to 250'. Placed in specially made grooves in overlapping members the rings develop maximum strength in the joints by distributing the stress over a greater area. The special wedge shape of the ring section provides maximum tolerance for easy insertion at the same time insuring a tight-fitting joint when the ring is fully seated in the conforming groove. Generally the 2½" diameter ring is used for lighter trusses and trussed rafters utilizing 2" lumber; the 4" diameter ring is used for heavier trusses using 3" and heavier material.

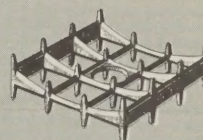
**DESCRIPTION:** TECO Wedge-Fit split rings are manufactured from hot-rolled SAE 1010 carbon steel which is specially milled to provide a double bevelled edge permitting efficient installation. Conforming grooves for Teco split rings are cut with a precision made grooving tool which can be used in a power drill with ½" chuck. Detailed information on installation tools is available on request.



## TECO SPIKE GRIDS

**WHERE USED:** TECO Spike Grids are used primarily in pole construction, docks, piling, wharves, bridges, etc. Pressed into wood with special tools. Information available on request.

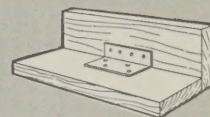
**DESCRIPTION:** Manufactured from malleable iron in accordance with current ASTM Specification A 47, Grade 35018. Available in three types: flat, single curve, and circular. Flat and single curve types are 4½" square; circular type is 3¼" diameter.



## TECO ANGLES

**WHERE USED:** TECO Angles are designed primarily for general utility use wherever wood to wood connections are involved. Some popular applications where the product is used for efficient framing include: posts to beams and plates; beams to girders and solid blocking to plates.

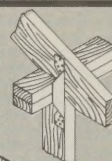
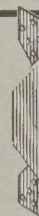
**DESCRIPTION:** Manufactured from 16 gauge zinc coated sheet steel and available in 3", 5", 7" and 9" lengths, TECO Angles consist of two flanges formed at 90 degrees. The smaller flange is 1¼" wide and the larger flange is 2½" wide. Furnished with each carton of Angles are special 9 gauge 1½" long nails which provide a value of 120 pounds per nail in shear. Number of nails in each flange: 3" — 2, 5" — 3, 7" — 4, 9" — 4.



## TECO TY-DOWN RAFTER ANCHORS

**WHERE USED:** Designed to tie roof and wall components more securely together, TECO Ty-Down rafter anchors provide increased resistance to uplift due to winds. Ty-Down, Srs., are used where rafters or trusses fall in line with the stud. Ty-Down, Jrs., are used at points where rafters or trusses are not in line with the studs. They can also be used separately as a tie-down device.

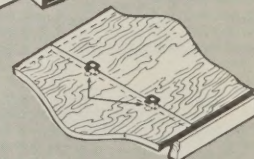
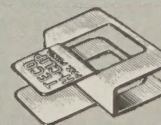
**DESCRIPTION:** TECO Ty-Downs are manufactured from 18 gauge zinc coated sheet steel and are packed with special 1½" long, 0.135" diameter, hardened deformed shank nails. Ty-Down, Srs., are 10¾" long and 1 9/16" wide. Ty-Down, Jrs., are 5¼" long and 1 9/16" wide.



## TECO H-CLIP PLYWOOD SUPPORTS

**WHERE USED:** Designed as an economical support for plywood roof sheathing, TECO H-Clips are laboratory tested and meet FHA Minimum Property Standards as substitutes for solid blocking. The special design of H-Clips provides for a tight, snug fit, thus lessening any possibility of the clips falling off during installation. A "leveling" arm insures easy installation regardless of any variations that may exist in plywood thicknesses.

**DESCRIPTION:** TECO H-Clips are precision stamped and formed from 18 gauge galvanized corrosion resistant sheet steel and are available for ⅝", ½", ⅜" and ¼" plywood thicknesses.



## TECO SHEAR PLATES

**WHERE USED:** TECO shear plates are special connectors designed for both wood to steel and wood to wood applications. Some popular wood to steel connections include: attachments of columns to footings through steel straps; fastening of steel gusset plates to wood members; connection of steel heel straps and splice plates in bowstring trusses, glued laminated arches and beams. In wood to wood applications TECO shear plates are used where demountability is desired.

**DESCRIPTION:** TECO shear plates are available in 2½" and 4" diameters. The 2½" shear plates are made of hot-rolled SAE 1010 carbon steel. The 4" size is made of malleable iron in accordance with ASTM Specification A 47-52, Grade 35018. Conforming daps for TECO shear plates are cut with precision grooving and dapping tools. Detailed information on installation tools is available on request.





## TECO PERMA-FIX ACCESSORIES

**WHERE USED:** A new idea in drywall construction, the TECO Perma-Fix system consists of several types of self-supporting metal devices designed to save time and money in installing wood closet shelves and poles. Special teeth are easily driven into drywall panels at any location desired without necessity to locate and nail into wall studs. Closet building time is reduced by 50% or more.

**DESCRIPTION:** The TECO Perma-Fix system is made up of the following:

SB-12 Shelf Bracket — Supports the shelf, with or without pole; made of 20 gauge zinc coated steel; five teeth set at angle give adequate support for shelf load.

PB-11 Pole Bracket — Supports closet pole; made of 20 gauge steel, zinc plated; three teeth set at angle to provide adequate support.

SLC-4 Shelf Locking Clip — Supports rear of shelf; made of 20 gauge zinc coated steel; two teeth for support.

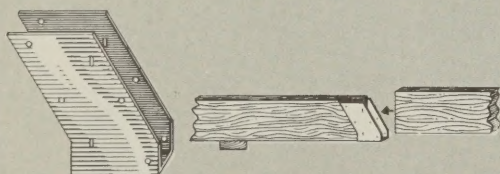
PS-3 Pole Support & PS-S Pole Support Socket — Helps to support shelf and pole in center on longer spans; PS-3 made of 14 gauge and PS-S made of 20 gauge steel, both zinc plated; screw to bottom of shelf.

## TECO FENCE BRACKETS

**WHERE USED:** Designed to simplify the construction of fences, TECO Fence Brackets provide a more efficient connection than can usually be obtained when using conventional framing methods. Useful in building a wide variety of fence patterns: straight rail, louvred rail, conventional picket, louvred screens. "Slide-in" feature permits the simple removal of entire fence sections or individual rails and louvres so that maintenance work, lawn cutting, painting, or snow removal is more easily accomplished. Extremely useful in making special "screening" louvres (both horizontal and vertical patterns) for patio and porch privacy, carport enclosures, and contemporary interior partitions.

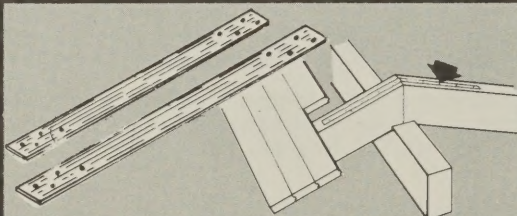
**DESCRIPTION:** TECO Fence Brackets are made in four sizes to accept 1x4, 1x6, 2x3, and 2x4 members. Holes are provided for nailing or screwing brackets to posts and members to bracket. Brackets are connected to post with either 8d common nails or #6-1½" wood screws. Nails or screws are **not** furnished. Precision manufactured of 18 gauge zinc coated sheet steel.

## OTHER POPULAR **TECO** PRODUCTS AND SYSTEMS



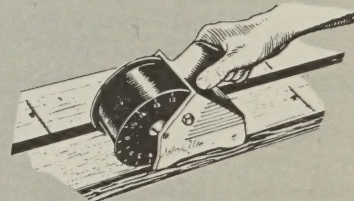
### TECO LINE-A-JOIST

Connectors and floor system for cantilevered construction. Can save \$30.00 per house and reduces labor.



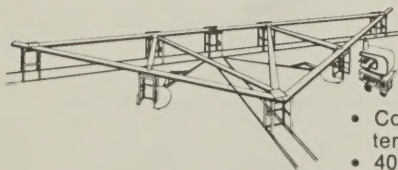
### TECO STRAP-TYS

Reinforcing strap devices manufactured from 14 gauge steel. Lengths: 4" to 36". 4 nail holes each end.



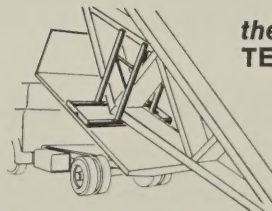
### TECO "MARK 16"

Automatic marker for layout of studs, joists, rafters, & trusses. Labor saving device. Marks for 16" or 8" centers.



### the NEW TECO Fibre Grip system

- Complete assembly system for less than \$4,000.
- 40 ton capacity press.
- 80-100 truss per day capacity.



### the NEW TECO Truss Pallet

- Mounts on conventional dump truck.
- Handles up to 50 trusses 50' long.
- Price less than \$250.

**TIMBER ENGINEERING COMPANY**  
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San Francisco Area:  
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Los Angeles Area:  
3121 E. 12th Street, LOS ANGELES (90023)



## TECO TRUSS PLATES

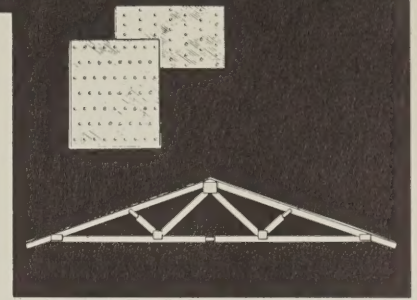
### WHERE USED:

Where single plane assembly of residential and other types of light roof trusses is desired, Teco truss plates provide economical clear span construction without the requirement for costly fabricating equipment. No special presses or rollers are needed for the proper assembly of members. In most situations an efficient fabricating line can be set up for less than \$300.00.

### SPECIFICATIONS:

Manufactured from 20 gauge zinc coated sheet steel, Teco truss plates are pre-punched to receive 8d 1 1/2" length nails. The Teco plate system accommodates spans ranging from 16' to 32' and slopes of from 2 1/2:12 to 7:12. Designed in accordance with FHA Minimum Property Standards the system is covered by FHA Bulletin SE 297.

Complete details on the design and fabrication of Teco plate trusses are available free upon request.



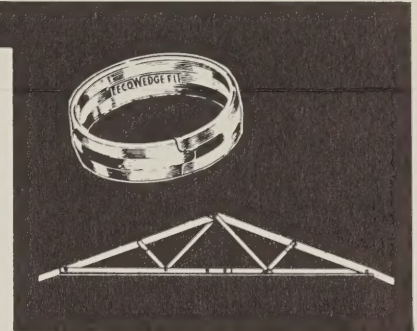
## TECO WEDGE-FIT SPLIT RINGS

### WHERE USED:

Available in 2 1/2" and 4" diameters, Teco split rings are used primarily in the assembly of clear span wood roof trusses for spans ranging from 20' to 250'. Placed in specially made grooves in overlapping members the rings develop maximum strength in the joints by distributing the stress over a greater area. The special wedge shape of the ring section provides maximum tolerance for easy insertion at the same time insuring a tight-fitting joint when the ring is fully seated in the conforming groove. Generally the 2 1/2" diameter ring is used for lighter trusses and trussed rafters utilizing 2" lumber; the 4" diameter ring is used for heavier trusses using 3" and heavier material.

### SPECIFICATIONS:

Teco Wedge-Fit split rings are manufactured from hot-rolled SAE 1010 carbon steel which is specially milled to provide a double bevelled edge permitting efficient installation. Conforming grooves for Teco split rings are cut with a precision made grooving tool which can be used in a power drill with 1/2" chuck. Detailed information on installation tools is available on request.



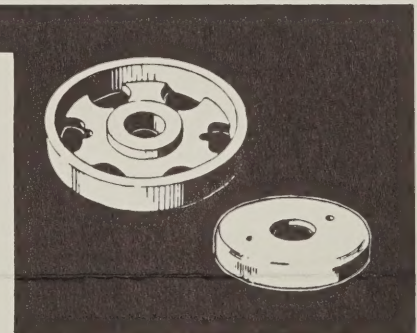
## TECO SHEAR PLATES

### WHERE USED:

Teco shear plates are special connectors designed for both wood to steel and wood to wood applications. Some popular wood to steel connections include: attachment of columns to footings through steel straps; fastening of steel gusset plates to wood members; connection of steel heel straps and splice plates in bowstring trusses, glued laminated arches and beams. In wood to wood applications Teco shear plates are used where demountability is desired.

### SPECIFICATIONS:

Teco shear plates are available in 2 5/8" and 4" diameters. The 2 5/8" shear plates are made of hot-rolled SAE 1010 carbon steel. The 4" size is made of malleable iron in accordance with ASTM Specification A 47-52, Grade 35018. Conforming daps for Teco shear plates are cut with precision grooving and dapping tools. Detailed information on installation tools is available on request.



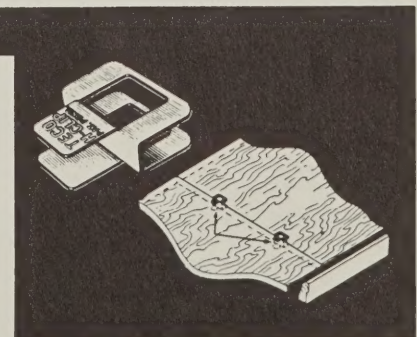
## TECO H-CLIP PLYWOOD SUPPORTS

### WHERE USED:

Designed as an economical support for plywood roof sheathing, Teco H-Clips are laboratory tested and meet FHA Minimum Property Standards as substitutes for solid blocking. The special design of H-Clips provides for a tight, snug fit, thus lessening any possibility of the clips falling off during installation. A "leveling" arm insures easy installation regardless of any variations that may exist in plywood thicknesses.

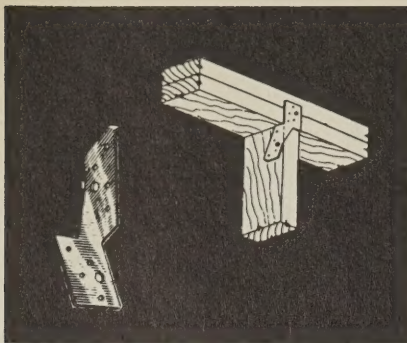
### SPECIFICATIONS:

Teco H-Clips are precision stamped and formed from 18 gauge galvanized corrosion resistant sheet steel and are available for 3/8", 1/2", 5/8" and 3/4" plywood thicknesses.





## TECO DU-AL-CLIP FRAMING ANCHORS



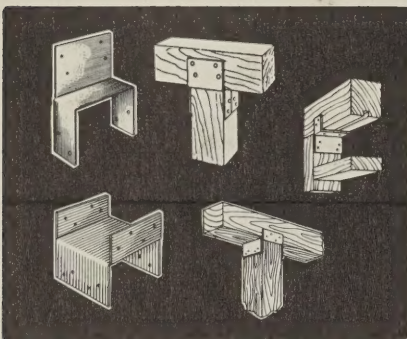
### WHERE USED:

Designed as an all-purpose economy framing device, Du-Al-Clip framing anchors are used in roof, wall, ceiling, and floor framing applications where lighter loads and shorter spans are involved. A special feature is a long flange which permits the anchor to grip the second plate in rafter to plate applications.

### SPECIFICATIONS:

Du-Al-Clip framing anchors are manufactured of 18 gauge, zinc coated, sheet steel in a single style with both right and left hand types. Nailing is provided on two surfaces. Each Du-Al-Clip is  $5\frac{1}{2}$ " long. The rectangular flange and the wing shaped flange are  $1\frac{5}{8}$ " wide. Special Du-Al-Clip nails of 11 gauge wire and  $1\frac{1}{4}$ " long are packed in each carton of anchors.

## TECO POST CAPS



### WHERE USED:

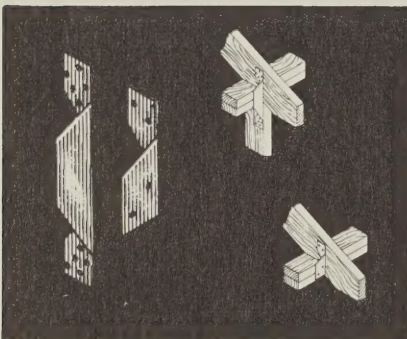
TECO Post Caps are used in tying post and beam connections together. Made in two different types, PC-1 and PC-2. Type PC-1 is also used as jamb fastener. The load or nature of connection determines which to use and how many of PC-1.

### SPECIFICATIONS:

Manufactured from 16 gauge, zinc coated sheet steel. Nails packed in carton. Type PC-1: Formed with two rectangular flanges  $1\frac{11}{16}$ " x  $2\frac{5}{8}$ " and a single flange  $3\frac{5}{8}$ " x  $2\frac{3}{4}$ ". Nails are 9 gauge x  $1\frac{1}{2}$ ". Resistance to uplift is 580# for one and 1160# for two caps (Group II seasoned lumber).

Type PC-2: Formed with two rectangular flanges  $3\frac{1}{2}$ " x  $2\frac{1}{8}$ " (nail to post) and two rectangular flanges  $3\frac{1}{2}$ " x  $1\frac{1}{2}$ " (nail to beam). Nails are 10d galvanized. Resistance to uplift is 1250# (Group II seasoned lumber).

## TECO TY-DOWN RAFTER ANCHORS



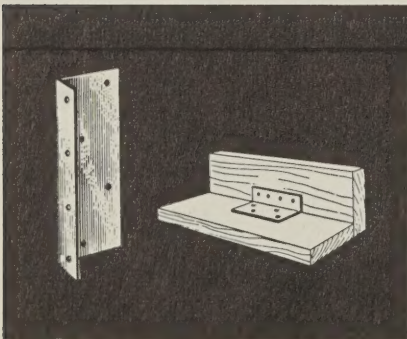
### WHERE USED:

Designed to tie roof and wall components more securely together, TECO Ty-Down rafter anchors provide increased resistance to uplift due to winds. Ty-Down, Srs., are used where rafters or trusses fall in line with the stud. Ty-Down, Jrs., are used at points where rafters or trusses are not in line with the studs. They can also be used separately as a tie-down device.

### SPECIFICATIONS:

TECO Ty-Downs are manufactured from 18 gauge zinc coated sheet steel and are packed with special  $1\frac{1}{2}$ " long, 0.135" diameter, hardened deformed shank nails. Ty-Down, Srs., are  $10\frac{3}{4}$ " long and  $1\text{-}9/16$ " wide. Ty-Down, Jrs., are  $5\frac{1}{4}$ " long and  $1\text{-}9/16$ " wide.

## TECO ANGLES



### WHERE USED:

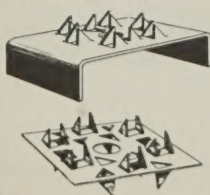
Teco Angles are designed primarily for general utility use wherever wood to wood connections are involved. Some popular applications where the product is used for efficient framing include: posts to beams and plates; beams to girders and solid blocking to plates.

### SPECIFICATIONS:

Manufactured from 16 gauge galvanized corrosion resistant sheet steel and available in 3", 5", 7" and 9" lengths, Teco Angles consist of two flanges formed at 90 degrees. The smaller flange is  $1\frac{1}{4}$ " wide and the larger flange is  $2\frac{1}{2}$ " wide. Furnished with each carton of Angles are special 9 gauge  $1\frac{1}{2}$ " long nails which provide a value of 120 pounds per nail in shear.

Other popular  
TECO products  
available:

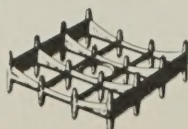
TECO Clamping Plates



TECO Toothed Rings



TECO Spike Grids



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For more detailed information on TECO timber connectors and framing devices, send for a free copy of our 12-page TECO products catalog.